Form PTO-1- (REV. 8-83)		US Dept. of Commerc PATENT & TRADEMARK OFFIC		ATTY D 115003	OCKET NO.		APPLICATIO 0/644,874	A NC	10.
ΙN	FORMAT	ION DISCLOSURE STATEMENT							
	(Use	several sheets it necessary		APPLICA Upvan i	ANT(S) NARANG				•
		MAR 2 6 2004 U.S.		FILING I	DATE 21, 2003		GROUP 615		
		U.S.	PATI	ENT DOCU	MENTS	•			
EXAMINE INITIAL	R	DOCUMENT NUMBER	J	DATE	NAM	E	CLAS	ss	SUB CLASS
1G		2,721,858	10/2	25/1955	JOYNER et al.				/
		3,254,111	8/31	1/1966	HAWKINS et al.				$\overline{}$
		3,940,362	2/24	1/1976	OVERHULTS				$\overline{}$
		3,995,641	12/7	7/1976	KRONENTHAL et al.			$\Box$	
		4,310,509	1/12	2/1982	BERGLUND et al.			7	$\mathcal{I}$
		4,313,865	2/2/	1982	TERAMOTO et al.			7	7
		4,364,876	12/2	21/1982	KIMURA et al.			ヿ゙	X
		4,560,723	12/2	24/1985	MILLET et al.				<b>\</b>
		4,584,192	4/22	2/1986	DELL et al.			7	1
		4,720,513	1/19	/1988	KAMEYAMA et al.			I	
		4,981,483	1/1/	1991	AKIMOVA et al.		17		
	,	4,994,542	2/19	/1991	MATSUDA et al.		1/		
IG ₩		5,069,907	12/3	/1991	MIXON et al.		1		
		FOREIC	IN PA	TENT DO	CUMENTS			<del>_</del>	
		DOCUMENT NUMBER	I	DATE	COUNT	RY	CLAS	s	SUB CLASS
IG		WO 93/02717	2/18	/1993	WIPO			$\exists$	
IG		WO 99/09106	2/25	/1999	WIPO			J	
IG		WO 99/23150	5/14	/1999	WIPO			7	<del></del>
IG		WO 99/18950	4/22	/1999	WIPO ·			<b>*</b>	1
IG		3118309	5/20	/1991	Japan	-		1	
	1	OTHER DOCUMENTS (Inc	ludin	g Author, 1	litle, Date, Pertinent Page	es, etc.)			
			_						
EXAMINER		/Isis Ghali/				DATE CONS	SIDERED	10/	01/2006
Examiner:	Initial if conforma	citation considered, whether or not citance and not considered. Include copy o	tation f this	is in conf form with	formance with M.P.E.P. next communication to ap	609; draw lin	e through c	itatic	on if not in

Sheet	2	of	6
	_		•

Form PTO (REV. 8-8:			US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DO	OCKET NO.		APPL 10/64	ICATION N 4,874	10.
:	INFORM	iati(	ON DISCLOSURE STATEMENT							
	(	Use s	everal sheets in recessing		APPLICA Upvan N	NT(S) JARANG				
			MAR 2 4 2004 U.S.		FILING I			GROU 1615	JP	
			U.S.	PAT	ENT DOCU	MENTS				
EXAMIN INITIA			DOCUMENT NUMBER		DATE	NAM	E		CLASS	SUB CLASS
IG			5,328,687	7/1:	2/1994	LEUNG et al.			1	1
			5,514,371	5/7/	1996	LEUNG et al.				
			5,514,372	5/7/	1996	LEUNG et al.				
			5,518,730	5/2	1/1996	FUISZ				
			5,575,997	11/	19/1996	LEUNG et al.				
			5,582,834	12/	10/1996	LEUNG et al.				
			5,624,669	4/2	9/1997	LEUNG et al.				
			5,684,042	11/4	4/1997	GREFF et al.				<b>V</b>
			5,716,608	2/1	0/1998	BYRAM et al.				
			5,730,994	3/2	4/1998	ASKILL et al.				
			5,753,699	5/19	9/1998	GREFF et al.				
			5,762,919	6/8/	/1998	GREFF et al.		-		
			5,783,177	7/2	1/1998	GREFF et al.	_			
			5,807,563	9/1:	5/1998	ASKILL et al.				
1			5,811,091	9/2	2/1998	GREFF et al.				
IG	•		5,902,594	5/1	1/1999	GREFF et al.			1	
			FOREI	GN PA	ATENT DO	CUMENTS				
			DOCUMENT NUMBER		DATE	COUNT	RY		CLASS	SUB CLASS
					-					
			OTHER DOCUMENTS (In	cludir	ng Author,	litle, Date, Pertinent Page	es, etc.)			
							, -			
EXAMINI	ER		/Isis Ghali/				DATE CO	ONSIDI	ERED 10	/01/2006
Examiner:	Init	ial if forma	citation considered, whether or not connec and not considered. Include copy	itation of this	is in cont form with	formance with M.P.E.P. next communication to a	609; draw	line th	rough citati	on if not in
									<del></del>	

Sheet	3	of	6	

Form PTO-1449 (REV. 8-83)	US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DO	OCKET NO.		APPL 10/64	ICATION N 4,874	10.
INFORMAT	ION DISCLOSURE STATEMENT				- 1			
(Use	several sheets if necessar	\	APPLICA Upvan N	NT(S) ARANG				
	MAR 2 ( 2004 5		FILING D August 2			GROU 1615	лъ	
		PATI	ENT DOCU	MENTS	<u> </u>			
EXAMINER INITIAL	DOCUMENT NUMBER	1	DATE	NAME	3 		CLASS	SUB CLASS
. IG	5,928,611	7/27	7/1999	LEUNG				1
	5,998,472	12/7	7/1999	BERGER et al.				
	6,090,397	7/18	3/2000	LEE et al.	. =			
	6,143,352	11/7	7/2000	CLARK et al.				
	6,143,805	11/7	7/2000	HICKEY et al.				
	6,155,265	12/5	5/2000	HAMMERSLAG				
	6,183,593	2/6/	2001	NARANG et al.			\	
	6,224,622	5/1/	2001	KOTZEV				
	6,238,692	5/29	9/2001	SNITH				
	6,281,265	8/28	8/2001	MONTGOMERY et al.				
	6,310,166	10/3	30/2001	HICKEY et al.				
	6,328,910	12/	1/2001	ASKILL et al.				
	6,329,343	12/	1/2001	LEUNG et al.				
	6,342,212	1/29	9/2002	SCHUETTE et al.				
	6,352,704	3/5/	2002	NICHOLSON et al.				
IG W	6,386,203	5/14	4/2002	HAMMERSLAG				
	FOREIC	IN PA	TENT DO	CUMENTS				
	DOCUMENT NUMBER	1	DATE	COUNTR	RY		CLASS	SUB CLASS
	<u> </u>				<del></del>			
i	OTHER DOCUMENTS (Inc	ludir	ng Author, T	litle, Date, Pertinent Page	s, etc.)		<del></del>	
EXAMINER	/Isis Ghali/				DATE CO	NSIDE	ERED 10/0	1/2006
	f citation considered, whether or not cinance and not considered. Include copy of					line th	rough citati	on if not in

Sheet 4	of	6
---------	----	---

Form PTO-1449 (REV. 8-83)	US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DO	OCKET NO.		LICATION N	<b>NO</b> .
	MATION DISCLOSURE STATEMENT			•			
(	(Use several sheets if necessary)		APPLICA Upvan N	NT(S) IARANG			
	MAR 2 4 2004 E		FILING I August 2		. GRC 1615		
		PATI	ENT DOCU	MENTS		·	
EXAMINER INITIAL	DOCUMENT NUMBER	1	DATE	NAMI	3	CLASS	SUB CLASS
IG	6,455,033	9/24	1/2002	STEFFIER		1	1
	6,455,064	9/24	1/2002	NARANG et al.			
	6,475,502	11/:	5/2002	LEE et al.			
	6,482,431	11/	19/2002	SMITH			
	6,495,158	12/	17/2002	BUSEMAN et al.	<u> </u>		
	6,500,406	12/:	31/2002	RAJAIAH et al.			
	6,509,007	1/21	1/2003	RAJAIAH et al.			1
	6,512,023	1/28	3/2003	MALOFSKY et al.			Y
	6,514,484	2/4/	2003	RAJAIAH et al.			$\Lambda$
	6,521,251	2/18	3/2003	ASKILL et al.			
	6,579,469	6/17	7/2003	NICHOLSON et al.			
	6,595,940	7/22	2/2003	D'ALESSIO et al.			
	6,602,496	8/5/	2003	HEDGPETH			
	6,620,846	9/10	5/2003	JONN et al.			
	6,664,309	12/1	6/2003	SVENNINGSEN et al.			\
IG W	2001/0038857	11/5	5/2001	sміттн		/	/
	FOREIG	GN PA	TENT DO	CUMENTS			
	DOCUMENT NUMBER	1	DATE	COUNTI	RY	CLASS	SUB CLASS
		l					
1	OTHER DOCUMENTS (In	cludin	g Author, 1	Title, Date, Pertinent Page	s, etc.)	<del></del>	
					····	· · · · · · · · · · · · · · · · · · ·	
			<u> </u>			·	
EXAMINER	/Isis Ghali/				DATE CONSID	ERED 10/0	01/2006
Examiner: Initi	al if citation considered, whether or not conformance and not considered. Include copy of	tation of this	is in conf	formance with M.P.E.P. next communication to ap	609; draw line the	hrough citati	on if not in

Sheet 5	of 6	
---------	------	--

Form PTO-1 (REV. 8-83)		US Dept. of Commerc PATENT & TRADEMARK OFFICE		ATTY DO	OCKET NO.		PLICATION 1 644,874	NO.
D	NFORMAT	ION DISCLOSURE STATEMENT						
	(Use	several sheets if necessary   PE		APPLICA Upvan N	NT(S) IARANG			
		MAR 2 4 2004		FILING I		GR 161	OUP 5	
			PAT	ENT DOCU	MENTS			
EXAMINE INITIAL	1	DOCUMENT NUMBER		DATE	NAMI	€	CLASS	SUB CLASS
IG		2002/0132008	9/19	9/2002	MUMPER et al.		1	
		2002/0142042	10/	3/2002	MUMPER et al.			
		2003/0007826	1/9/	/2003	BADEJO et al.		$\perp \Lambda$	
		2003/0007946	1/9/	2003	NARANG et al.			
		2003/0007947	1/9/	/2003	NARANG			
		2003/0007948	1/9/	2003	HEDGPETH	•		
		2003/0031717	2/1:	3/2003	ASKILL		The state of the s	
		2003/0032735	2/1	3/2003	KOTZEV			/
		2003/0143189	7/3	1/2003	ASKILL et al.			Λ
		2003/0175328	9/1	8/2003	SHEFER et al.			
		2003/0175333	9/13	8/2003	SHEFER et al.			
		2003/0175503	9/1	8/2003	LUCAST et al.			
		09/176,889, filed October 22, 1998			D'ALESSIO et al.			
		09/385,030, filed August 30, 1999			D'ALESSIO et al.			
\		09/430,177, filed on October 29, 1999			NARANG et al.			
IG V		09/898,006 filed July 5, 2001			BADEJO et al.		1	• 1
		FOREIC	IN P	ATENT DO	CUMENTS			
		DOCUMENT NUMBER		DATE	COUNT	RY	CLASS	SUB CLASS
-								···
	1	OTHER DOCUMENTS (Inc	ludir	ng Author,	Title, Date, Pertinent Page	es, etc.)		
						<del>-</del>		
EXAMINE	₹	/Isis Ghali/				DATE CONSI	DERED 10	/01/2006
Examiner:	Initial i	f citation considered, whether or not ci nance and not considered. Include copy of	tation f this	n is in cons form with	formance with M.P.E.P. next communication to ap	609; draw line plicant.	through citat	ion if not in

	_	_		
Sheet	6	of	6	

Form PTO-144 (REV. 8-83)	9 US Dept. of Comme PATENT & TRADEMARK OFFICE	rce CE	ATTY D 115003	OCKET NO.		PLICATION N 544,874	О.
INF	DRMATION DISCLOSURE STATEMENT						
	(Use several sheets it necessary)		APPLICA Upvan N	ANT(S) NARANG			
	MAR 2 4 2004		FILING I	DATE 21, 2003	GR 161	OUP 5	
	TADEMAN U.	S. PAT	ENT DOCU	JMENTS		_ ·	
EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME	E	CLASS	SUB CLASS
IG	09/919,877, filed August 2, 2001			JONN et al.			
IG	09/430,289, filed October 29, 1999			D'ALESSIO et al.			
		_					
	· · · · · · · · · · · · · · · · · · ·						
	1-1				<del></del>		
		<u> </u>					
- <del></del>					· · · · · · · · · · · · · · · · · · ·		
<u> </u>		+					
		+			<del>.</del>		
		1					
	FORE	IGN PA	ATENT DO	DCUMENTS T		<del>-</del> -	
	DOCUMENT NUMBER		DATE	COUNT	RY	CLASS	SUB CLASS
· · · · · · · · · · · · · · · · · · ·		_					
	OTHER DOCUMENTS (I	includia	ng Author	Title Date Pertinent Page	s. etc.)		
	OTHER DOCUMENTS (I		-B / 124101,	, Day, remient rage	,,		<del></del>
			<del>-</del>				
EXAMINER	/Isis Ghali/				DATE CONSI	DERED 1	0/01/2006
Examiner:	Initial if citation considered, whether or not conformance and not considered. Include cop	citation of this	n is in con s form with	formance with M.P.E.P. next communication to ap	609; draw line	through citati	on if not in

				Sheet	1	of <u>1</u>		
Form PTO-1449 REV. 8-83)	US Dept. of Comme PATENT & TRADEMARK OFFIC ATION DISCLOSURE STATEMENT		DOCKET NO.	APPLICATION NO. 10/644,874				
PE CONTACTOR	se several sheets if necessary)		CANT(S) NARANG					
			FILING DATE GROUP August 21, 2003 1615					
WIS TRANSPIRE!	U.:	S. PATENT DOC	CUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAMI	E	CLASS	SUB		
IG	6,353,041 B1	3/5/2002	QIAN					
			,					
		<del> </del>		<del></del>		<del></del>		
		<del>                                     </del>						
		1						
			1	·				
						<del> </del>		
	· · · · · · · · · · · · · · · · · · ·							
	FORE	I EIGN PATENT D	DOCUMENTS		<u>l</u> _l			
	DOCUMENT NUMBER	DATE	COUNT	RY	CLASS	SUI CLA		
		-	<u> </u>	<del></del>				
				<del></del>				
<del></del>		<u> </u>	<del> </del>	<del>-</del>		-		
	OTHER DOCUMENTS (I	Including Author	r, Title, Date, Pertinent Page	es, etc.)				
		_						
EXAMINER	<u> </u>			DATE CONSID	EDED			
MANINER	/Isis Ghali/			DATE CONSID	10/01/2	006		

Date: December 21, 2004